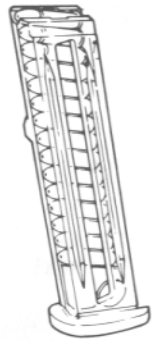
Accessories Available For The Syn-Tech™ Exactor™ Pistol

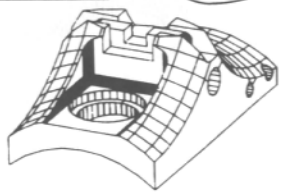
Magazines:

- Easy loading constant-force spring.
- Semi-transparent for easy round count.



FIREARM	CAPACITY	MAG ITEM #
RPD 2215	15 rounds	MPD 2215
RPD 2215	20 rounds	MPD 2221
RPC 2225	15 rounds	MDC 2216
RPC 2225	20 rounds	MDC 2220
RPT 2238	15 rounds	MDC 2216
RPT 2238	20 rounds	MDC 2220

Syn-Tech™ Exactor™ Adjustable Rear Sight



- Easily adjusts for windage and elevation
- Unique and simple installation

Adjustable Rear Sight Item SAM 2230
(standard on RPT 2238)
Sets of one each front and rear insert for RPT 2238.
Item SAB 2236, Black **Item SAO 2237, Orange**
Item SAW 2238, White
Rear insert for 5.5" Exactor™ models
RPD 2215 and RPC 2225
Item SAB 2231, Black **Item SAO 2232, Orange**
Item SAW 2233, White

Scope Mount:

Item SMR 2240, tip off style mount

RAM-LINE®, INC.
10601 W. 48th Ave.
Wheat Ridge, CO 80033-2237

"Ram-Line" is a registered Trademark of Ram-Line, Inc. Printed in U.S.A., Copyright 1990.

Ask your dealer. If not available call (303)-467-0300 or write Ram-Line® for order information. Ask for customer service. All products made in U.S.A. Prices, Terms, and Specifications are subject to change without notice.

RAM-LINE®, INC.

Syn-Tech™ EXACTOR™ PISTOL

MODEL RPT 2238
TARGET GRIP, 8.0" BARREL

MODEL RPC 2225
CONVENTIONAL GRIP, 5.5" BARREL

MODEL RPD 2215
DYNAMIC GRIP, 5.5" BARREL

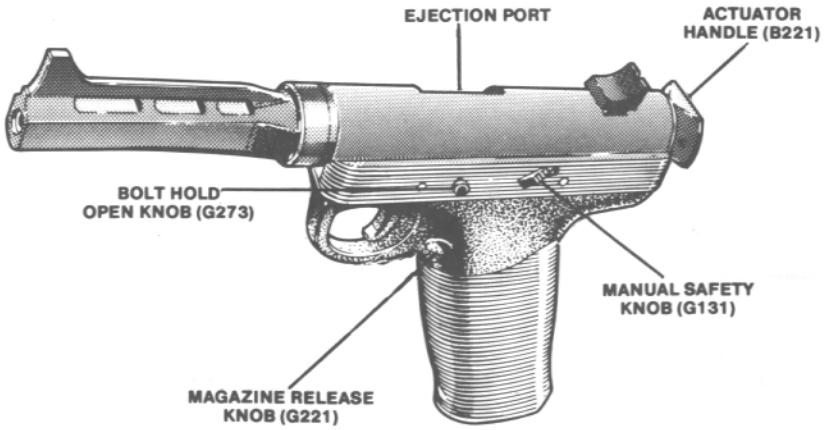
Owner's Manual

WARNING

Read all instructions and warnings before using this firearm.
REMEMBER: You are responsible for the safe operation of this firearm. Only you can prevent accidents.

Table of Contents

I	Specifications	page 3
II	Ammunition	page 3
III	Safety Operation	page 4
IV	Obstructions	page 5
V	Dry Firing	page 5
VI	Loading	page 5
VII	Firing	page 6
VIII	Unloading	page 6
IX	Clearing the Chamber (Jams)	page 6-7
X	Sighting in	page 7
XI	Disassembly (Field Strip)	page 8
XII	Cleaning	page 9-10
XIII	Reassembly	page 11
XIV	Warranty Information	page 12
XV	Parts List	page 13
XVI	Exploded View	page 14-15
XVII	Firearm Record	page 15
XVIII	Available Accessories	page 16



I Specifications:

The Ram-Line® Syn-Tech™ Exactor™ is a recoil operated, .22 caliber long rifle semi-automatic pistol. When loaded and in the fire position, it will fire one round of ammunition each time the trigger is pulled until the magazine and chamber are empty of cartridges.

Serial Number

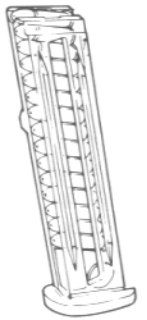
The serial number of your pistol is located on the receiver behind the ejector port.

Bolt Stop

After the last round is fired, the bolt will remain open. The bolt stop can be manually operated by pulling back on the actuator handle and pushing up on the bolt hold open knob (G 273).

Magazine

The Syn-Tech™ Exactor™ pistol comes with a 15 shot magazine. The magazine follower (M 121) actuates the bolt stop after the last round is chambered and fired. The magazine uses a constant force spring for easy loading of all 15 rounds. The magazine is made of transparent polycarbonate resin, for easy round count and durability.



-WARNING!-

Do Not Assume This Pistol Or Any Pistol Is Unloaded.

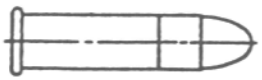
Remember that a cartridge in the chamber can be fired even if the magazine has been removed. The pistol will fire with or without the magazine in the well. Visually inspect the chamber after drawing back the actuator handle (B 221) and engaging the bolt hold open knob (G 273).

II Ammunition

The Exactor™ pistol is designed to fire .22 caliber long rifle rimfire ammunition only. Ram-Line®, Inc. can accept no responsibility for cartridges of non-standard dimensions, or those that develop pressure beyond SAAMI established standards. Do not use .22 Long, .22 Short, .22 magnum or any other type of .22 caliber cartridge in this pistol except **.22 Caliber Long Rifle Rimfire Standard or High Velocity.**

Certain rimfire ammunition may cause feeding problems. If your chosen ammunition causes malfunctions, discontinue use and change brands. Truncated head ammunition may cause feeding problems in semi-automatic pistols.

TRUNCATED



STANDARD

-WARNING!-

Always Wear Shooting Glasses And Hearing Protection.

III Safety Operation

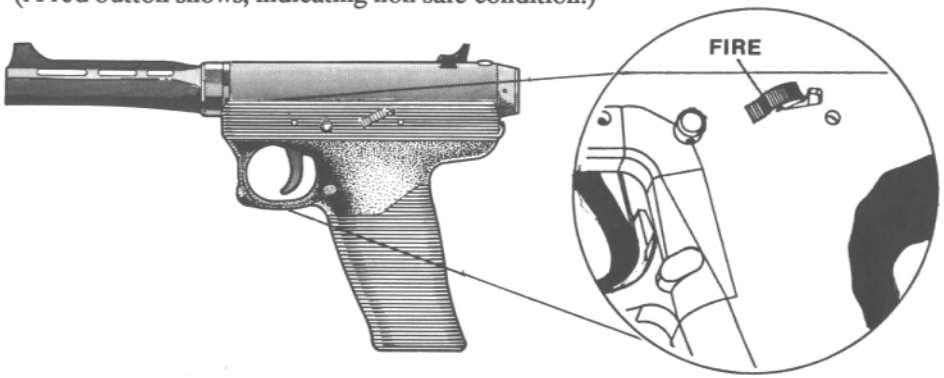
Before loading or firing, become familiar with the operation of the manual safety by practicing with the pistol unloaded.

The Syn-Tech ™ Exactor™ pistol has a unique 2 motion, thumb operated, manual safety. (G 131)

To engage safety: Push the operation knob backward to "snap" upward.

To disengage safety: Push down first, then forward.

(A red button shows, indicating non safe condition.)



The safety should be kept on at all times when the pistol is not being pointed at the desired target.

The Exactor™ pistol safety operates in the following manner:

Manually engaged

1) A conventional disconnect/bar blocks sear.

2) The sear is disconnected.

3) The trigger is blocked.

4) The hammer is blocked.

Automatic Safety features

1) The disconnect bar is actuated by the bolt upon its backward travel from the front of the breech block face, effectively preventing out of battery fire.

2) The pistol can not be "cocked" while in the "safe" position.

- **Note to Left Handed Shooters:**
  The manual safety is designed for right thumb operation and cannot be converted to left hand operation.

-WARNING!-

REMEMBER: ANY mechanical safety can fail. Never assume a loaded firearm is safe. Always unload your gun when not in use.

IV Obstructions

Do not assume the pistol is unloaded. Point the muzzle in a safe direction and pull back the actuator handle. Engage the bolt hold open. Note that the chamber and barrel must be free of any ammunition.

Make sure bore and chamber are clear of any obstructions.

Inspect the barrel to be certain of **no** obstructions, by using a cleaning rod and patch. Even a heavy coat of oil may cause a dangerous increase in pressures. Before the first firing, clean the bore with a cleaning rod and patch and solvent such as Hoppes No. 9.

V Dry Firing

-WARNING!-

Do Not "Dry Fire" the hammer on an empty chamber... The chamber may not be empty!

Also, "Dry Firing" causes undue wear on the chamber, hammer, sear, and firing pin.

VI Loading

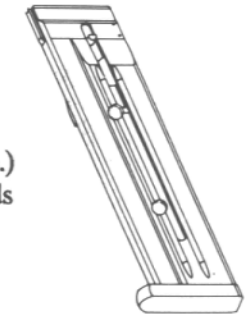
-WARNING!-

Remember: Keep the muzzle pointed in a safe direction at all times. Push safety lever rearward and up into the safe position.

Start with the bolt in the open position and the magazine out of the pistol. Check to be sure the chamber is empty.

Loading the Magazine (M 100) MPR2215

Hold the magazine in one hand, while inserting the cartridges with the other. Make sure the rims of the cartridges are toward the rear of the magazine. (The bullet or head will be pointing up at a slight angle.) Repeat until 15 rounds or the desired number of rounds are inserted. Do not attempt to place more then 15 rounds into the magazine.



-WARNING!-

Always wear safety glasses and hearing protection.

Loading the Pistol

Insert the loaded magazine into the magazine well until fully engaged by the magazine latch. A "click" will be felt.
Keep the muzzle pointed "down range" or in a safe direction.
To load the chamber, pull fully back on the actuator handle and release promptly. You may also release the bolt by manually rotating the bolt hold open knob downward. **Note:** Allow the bolt to move forward unimpeded, that is, **do not** retain the actuating handle in your hand as it moves forward.

VII Firing

The Syn-Tech ™ Exactor™ pistol is now ready to fire. Point your pistol at a "safe" target and rotate the manual safety knob forward to the fire position. Squeeze the trigger. The pistol will fire, extract the case, and feed a new cartridge into the chamber. Therefore, after each round is fired, a new round is ready to be fired with each pull of the trigger. If you have not fired all the cartridges at the target, place the pistol on the manual "safe" position and keep pointed "down range" or in a safe direction until you are ready to shoot again.

VIII Unloading

To unload your pistol, be certain the pistol is pointed in a safe direction.

-WARNING!-

Place the pistol in the manual "safe" position.

Push the magazine release knob with your thumb and gently pull the magazine free from the grip. With the pistol "cocked", a live round can be cleared with the manual safety engaged, that is , in the safe position. Press upward on the bolt hold open knob to keep the bolt open. **Note:** If all the cartridges have been expended, the bolt will remain open after the last round is fired.
Inspect the action and chamber to be sure the pistol is free of any live ammunition or obstructions before storage or cleaning.

IX Clearing the Chamber (Jams)

Failure to Fire

If in the event while firing, you squeeze the trigger and nothing happens, remain in a firing position for 30 seconds. Place the pistol on "safe" and remove the magazine. Rotate the manual safety to the fire position and pull the actuator handle rearward to remove the cartridge. With almost any rimfire ammunition it is common that sometimes the primer may not have detonated. Discard the cartridge and repeat the loading sequence. **Do not reuse the cartridge.**

Obstructions Due to Misfires

Make sure the chamber and barrel are free from obstruction. An underpowered round can occur on occasion from due to insufficient powder charge. An unusually low "report" signifies the event.

-WARNING!-

It is imperative to remove the magazine and clear the chamber in such an occurrence. The bullet may not have cleared the barrel and will obstruct other rounds. Failure to check the barrel may result in severe injury to the firearm or shooter.

After removing the magazine and clearing the chamber, it is best to run a cleaning rod through the barrel to see that it is clear of any obstructions. If obstructed, the pistol should be taken to a qualified gunsmith.

Jams

-WARNING!-

Never Push The Actuator/Bolt Forward Against A Live Round. The Cartridge Could Discharge.

Should your pistol jam, fail to extract, eject, or feed a cartridge, be sure the muzzle is pointed in a safe direction. Place the manual safety knob into the "safe" position and remove the magazine. Rotate the manual safety into the "fire" position and pull back on the actuator handle to remove cartridge. If the cartridge is in the "nose up" position, (trapped between the magazine and the bolt), carefully pull back on the actuator handle and manually operate the hold open knob. If a cartridge is stuck in the chamber, and the extractor cannot remove the cartridge, use only wooden instruments to clear jam. Be certain the muzzle is pointed in a safe direction with the breech facing away from you. A small wooden dowel is suggested.
If the pistol continues to malfunction, and is not ammo related it should be returned unloaded to Ram-Line®. Please contact customer service.

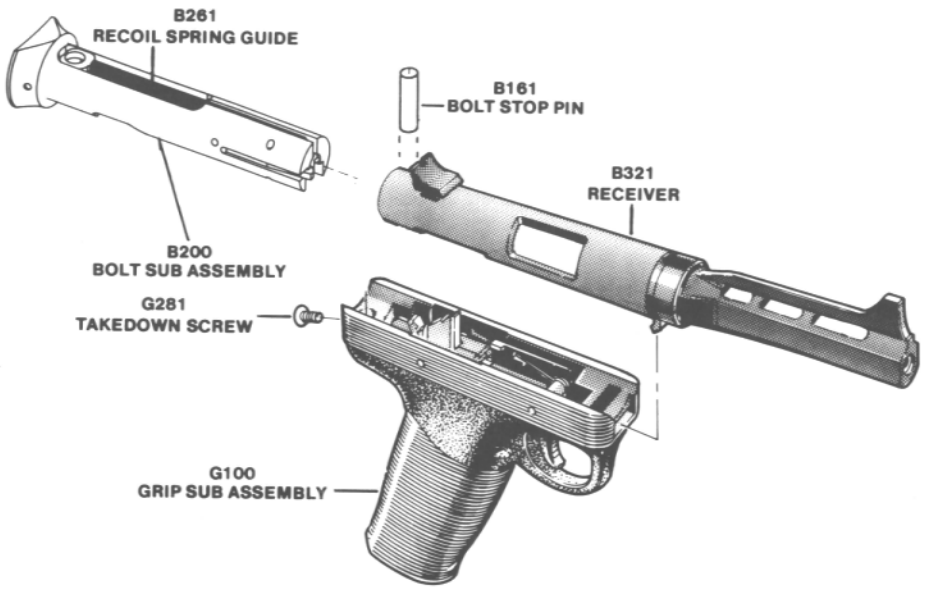
X Sighting in

The Syn-Tech™ Exactor™ pistol comes with a fixed front sight. The rear sight can be adjusted for windage by tapping on the side to slide it left or right. Moving the sight to the left will cause the bullet to impact further to the left. To move the bullet impact to the right, drift the sight to the right. An adjustable rear sight is available from Ram-Line®, Inc.

XI Disassembly (Field Strip)

-WARNING!-

Remove magazine and clear chamber.
Make sure the pistol is unloaded.



Start with the bolt in the closed position.

1) Using a 1/8" hex wrench (provided) remove rear takedown screw (G 281).

2) Lift up on the bolt-barrel-receiver sub assembly (B 100), removing it from the grip sub assembly (G 100).

Caution: Spring and guide rod can "spring" loose upon removal.

3) Remove bolt stop pin (B 161) and bolt sub assembly (B 200) from the receiver sub assembly (B 320). (shown attached to barrel.)

4) Remove Recoil Spring (B 251) and Guide (B 261) by lifting up and rearward from the bolt.

The pistol is now in the field strip cleaning level.

-WARNING!-

The grip sub assembly (G 100) is not recommended to be taken apart except by knowledgeable gunsmiths.

XII Cleaning

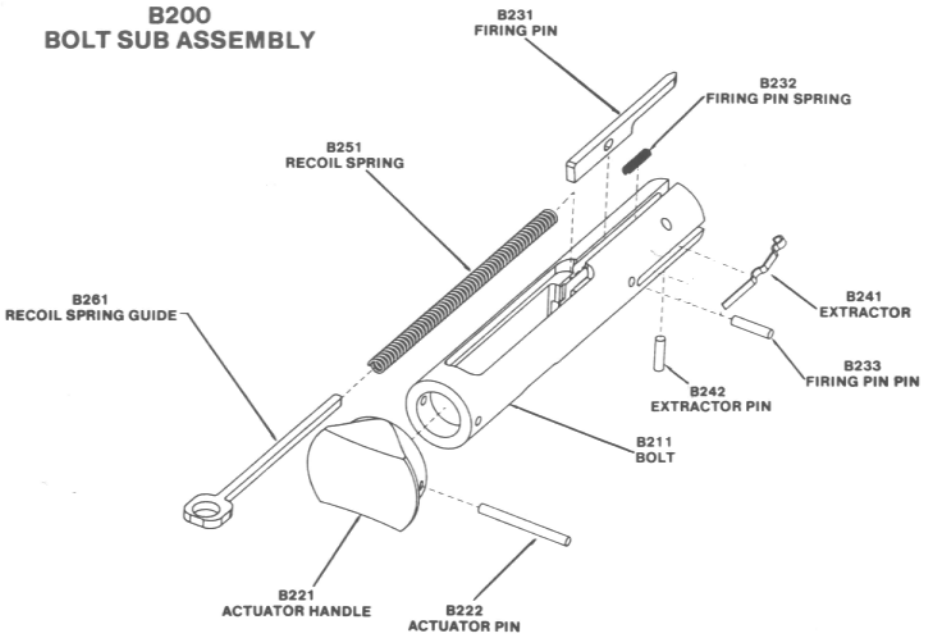
-WARNING!-

Always wear safety glasses. Never clean a loaded firearm.

Regular cleaning and maintenance are an important for proper firearms operation. An unclean firearm has a greater chance of malfunctions and undue wear than a properly maintained firearm.

Bolt

The bolt sub assembly (B 200) may be cleaned in the field without removing the firing pin and extractor.



Ram-Line® recommends a liquid solvent and a small brush to remove dirt , debris, lead, and powder buildup from the surfaces. The bolt face and head space (The spot on front of bolt where cartridge rim is chambered.) are of primary concern when cleaning. **Be especially thorough in cleaning lead and powder buildup on the bolt and breechface.** Further, an air hose can be used to "blow out" the corners and sharp edges. A light gun oil is recommended on all moving parts. **Note: Do not use Teflon or silicon lubricants** or general purpose oils as these may gum within the receiver rapidly.

Barrel/ Receiver

The receiver should be cleaned with a liquid gun solvent and wiped or blown clean. Particular attention should be given to removing debris buildup at the internal corners of the receiver, breechface, and the ejector (B 322).

Barrel

Cleaning of the bolt-barrel-receiver assembly (B 300) can be accomplished at this disassembly level without removal of barrel (B 310). It is recommended to clean from the rear (receiver side) of the barrel. Use a brass bore brush with solvent, and cleaning rod with patch. This can be easily done by removing the bolt. **Be careful not to bend ejector with the cleaning rod.** Careful attention should be given to cleaning the chamber, breech face, and ejection slot. A light coat of solvent (such as Hoppes No. 9) or oil may be left in the barrel. Note that the receiver (B 321) is manufactured from high grade aircraft aluminum alloy - not steel, and attached to the barrel with a special factory supplied pin (B 341).

-WARNING!-

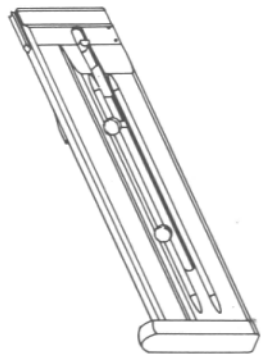
Do not remove barrel from receiver.

Oiling

All bearing surfaces should be cleaned and lightly oiled. Note that the Fire Control sub-assembly (G-300) should also receive a light coat of oil. Gun oil, **not** a general purpose oil, is advised since gun oils are designed for the high pressures and temperatures found in firearms. Look for oils that have statements such as "anti -gumming, non-hardening, anti- corrosive, powder resistant, and rust resistant". It is particularly important **not** to use lubricants with Teflon or Silicon additives which in all probability will "gum up" shortly after assembly and firing. Tests have proven this to be the case. It is recommended that "standard" gun oils (Break Free, FP-10, Hoppes, Outters, etc.) be used during reassembly of the bolt to receiver.

Magazine

The 15-round magazine (M 100) MPR 2215 delivered with the Syn-Tech ™ pistol is manufactured from high grade polycarbonate such as is utilized in police riot shields, etc. However, it is sensitive to certain aerosol cleansers such as Gunk-Out, Crud-Cutter, etc. which contain 1.1.1 Tri- cloroethylene. **Avoid "tric" entirely!** If it becomes necessary to clean the magazine, it is recommended that isopropyl alcohol or standard gun solvents /lubricants of a mild nature such as WD-40 or Hoppes No. 9 or equivalent be utilized followed by blowing out with an air hose. The follower can be pushed down carefully to mid-point holes to clean both top and bottom with isopropyl alcohol. Use a small dowel or drill bit in the holes to hold the follower in place. Do not allow the follower to snap to the top of magazine. Retain pressure from top of magazine with screwdriver and slowly allow the follower to come up. If necessary relube with a silicon based lubricant such as Break Free or Tri-Flow. Only a light coating is recommended. A solvent/air hose method is probably best to remove large particles. Beyond



that, cleaning can be accomplished utilizing a cotton swab or equivalent to reach through the slot and top. (Long cotton swabs on wooden sticks are available at most drug stores.)

-WARNING!-

Do not take magazine apart! The spring can be damaged by over bending and will void warranty.

Grip Sub Assembly (G 100)

The Grip G 211 and fire control sub assembly (G 300) can be cleaned with the use of a gun (spray) solvent and air hose. Spray or pour solvent through the grip sub assembly and use air hose to blow away excess residue. Wipe with towel any extra solvent from hammer and sear surfaces. Apply a light coat of oil.

XIII Reassembly

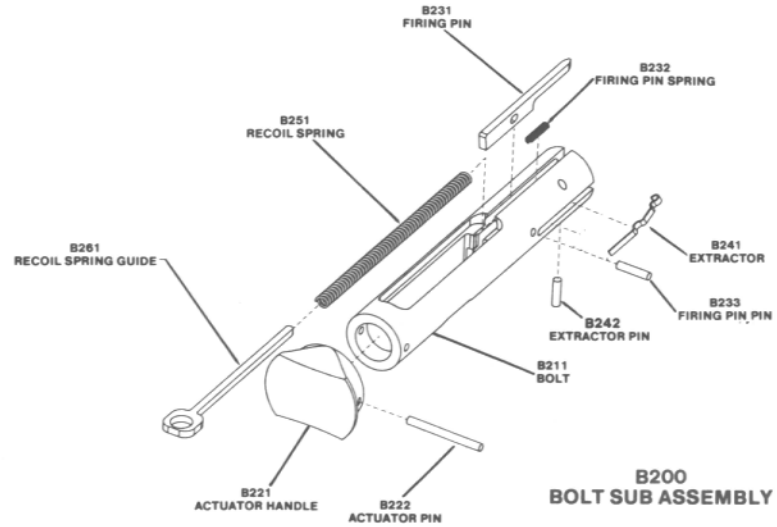
1) Insert guide rod (B 261) into recoil spring (B 251). Insert both guide rod and spring into the slot in bolt. Make sure the "yoke" is flush with top of slot.

2) Insert bolt into receiver.

3) Insert the bolt stop pin (B 161) through the receiver.
NOTE: Make sure "threaded hole" is angled downward.

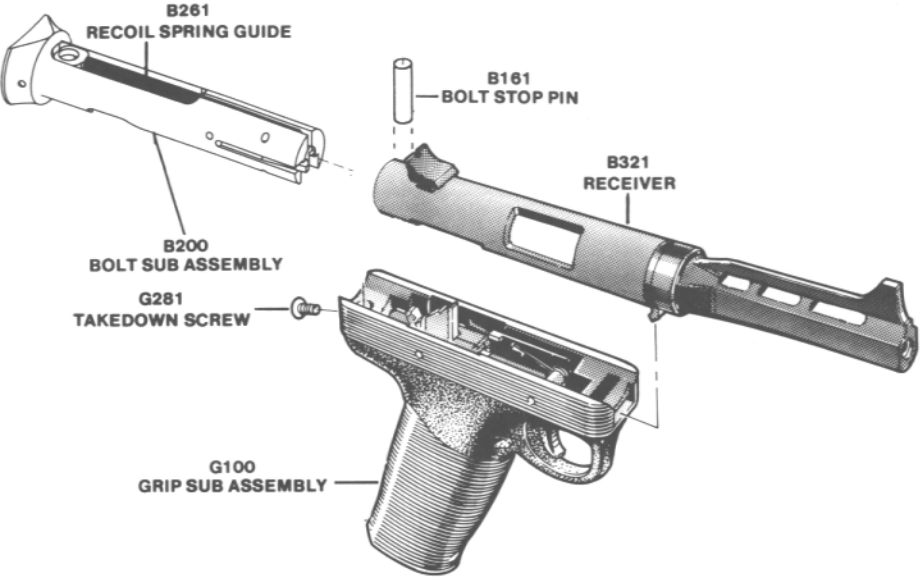
4) Align recoil lug (B 331) with front of grip. Press lightly and rotate the receiver "down "on top of the grip and bolt stop pin into the grip hole..

5) Insert takedown screw (G 281) and carefully secure.
Do not over tighten.



B200
BOLT SUB ASSEMBLY

XIII Reassembly Continued



XIV WARRANTY STATEMENT:

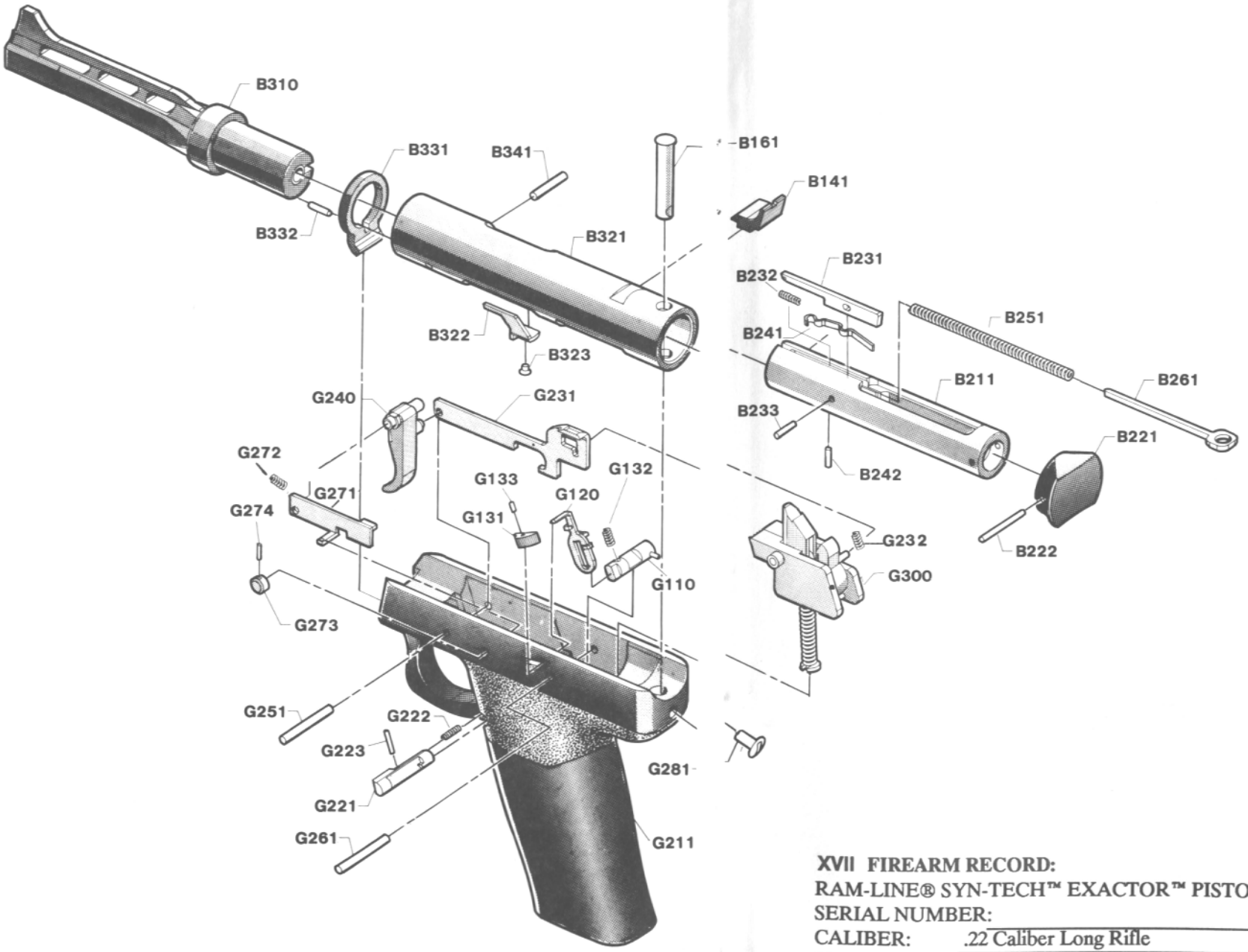
Based on the Magnuson-Moss Warranty Act, Ram-Line® Inc. offers no expressed warranty on this product line. Check your state warranty laws for specific information concerning warranties in your state. However, Ram-Line® will recognize its obligations concerning implied warranty. Ram-Line® stands behind its product as it has historically, and will continue to provide service to its product line as it has over the years. Be sure to retain your sales slip as proof of purchase should you need to make a claim.

This instruction manual should always accompany this firearm and be transferred with it upon change of ownership. Write for free extra copy.

XV Parts List

Parts for the Syn -Tech™ Exactor™ Pistol are available from Ram-Line®. Send the amount listed below plus $3.00 for shipping and handling

Item #	Description	Price
B 211	Bolt	$25.00
B 221	Actuator Handle	$ 5.00
B 222	Actuator Pin	$ 1.00
B 231	Firing Pin	$ 1.00
B 232	Firing Pin Spring	$ 2.50
B 233	Firing Pin Pin	$ 1.00
B 241	Extractor	$ 3.50
B 242	Extractor Pin	$ 1.00
B 251	Recoil Spring	$ 3.50
B 261	Recoil Spring Guide	$ 3.00
B 310	Barrel Sub Assy.	$49.97
B 321	Receiver	**Not for sale separately**
B 322	Ejector	$ 5.50
B 323	Ejector Screw	$ 1.50
B 331	Recoil Lug	$ 4.00
B 332	Align Pin	$ 1.50
B 341	Shank Pin	$ 1.50
B 141	Fixed Rear Sight	$ 5.00
B 161	Bolt Stop Pin	$ 2.50
G 110	Hammer Block Sub Assy.	$ 7.00
G 120	Safety Lever Sub Assy.	$ 5.50
G 131	Safety Knob	$ 2.00
G 132	Safety Spring	$ 1.25
G 133	Safety Knob Pin	$ 1.00
G 211	Grip Body	$20.00
G 221	Mag Latch	$ 3.00
G 222	Mag Latch Spring	$ 2.00
G 223	Mag Latch Pin	$ 1.50
G 231	Disconnect	$ 8.00
G 232	Disconnect Spring	$ 3.00
G 240	Trigger Sub Assy.	$ 6.25
G 241	Trigger	$ 3.25
G 251	Trigger Retaining Pin	$ 2.00
G 261	Frame Retaining Pin	$ 1.00
G 271	Bolt Hold Open	$ 4.00
G 272	Bolt Hold Open Spring	$ 2.00
G 273	Bolt Hold Open Knob	$ 2.00
G 274	Bolt Hold Open Pin	$ 1.00
G 281	Takedown Screw	$ 1.50
G 300	Fire Control Sub Assy.	$59.97
C 091	Pistol Case	$ 8.97
MPR 2215	Magazine 15 rd.	$19.97
SAM 2230	Adj. Rear Sight	$49.97



XVII FIREARM RECORD:
RAM-LINE® SYN-TECH™ EXACTOR™ PISTOL
SERIAL NUMBER: _____
CALIBER: .22 Caliber Long Rifle
PURCHASED FROM: _____
DATED PURCHASED; _____
PURCHASE PRICE: _____